SEQUENCE LISTING

<110>   Xiao, Yingxao
          Feng, Xin-Hua

<120>   Gene expression suppression agents

<130>   132848-01US

<140>   US 10/552,909
<141>   2005-10-13

<160>   9

<210>   1
<211>   27
<212>   DNA
<213>   Human

<220>
<221>   primer_bind
<223>   Primer to amplify upstream promoter containing Box D in the
          Human 5S RNA gene

<310>   PCT/US2003/014631
<311>   2003-05-12
<312>   PCT WO 2004/106488 A2

<400>   1
aacggatcca aaacgctgcc tccgcga   27

<210>   2
<211>   25
<212>   DNA
<213>   Human

<220>
<221>   primer_bind
<223>   Downstream reverse primer used to amplify the upstream
          promoter containing Box D in the Human 5S RNA gene. The
          sequence contains a Pst1 site at 7 bp upstream of the
          transcription site.

<400>   2
tagacgctgc aggaggcgcc tggct   25

```
<210>      3
<211>      269
<212>      DNA
<213>      Human

<220>
<221>      promoter
<223>      Calculated BamHI-PstI fragment of the upstream promoter
           containing Box D in the Human 5S gene.  Cloned into
           pBluescript-KS to give plasmid pPPVI.

<400>      3
ggatccaaaa cgctgcctcc gcgacagggc ggaggacgga gggcgtccca ggatcgtggg 60

ccctgggcct gacgcctcgg agcactccct gctccgagcg ggcccgatgt ggtggaagct 120

cgggagcgcg ggagccgggg gaaggccgcg ggcagccgtc ggggtgtcccc gatccgagcc 180

ccgcggcccc gggctggcgg tgtcggctgc aatccggcgg gcacggccgg ccgggctggg 240

ctcttggggc agccaggcgc ctccttcag 269

<210>      4
<211>      84
<212>      DNA
<213>      Human

<220>
<221>      terminator
<223>      Comprises Box A, C and terminator of the human 5S RNA gene.
           Serves as a top strand to anneal with SEQ ID NO: 5 to
           create a double-stranded DNA molecule.

<400>      4

agaagacgaa gctaagcagg gtcgggcctg gttagtactt ggatgggaga ccgcctggga 60

ataccgggtg ctgtaggctt tttg 84

<210>      5
<211>      88
<212>      DNA
<213>      Human
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<220>
<221>   terminator
<223>   Comprises Box A, C and terminator of the human 5S RNA gene.
           Serves as a top strand to anneal with SEQ ID NO: 4 to
           create a double-stranded DNA molecule.

<400>   5
tcgacaaaaa gcctacagca cccggtattc ccaggcggtc tcccatccaa gtactaacca 60

ggcccgaccc tgcttagctt cgtcttct 88

<210>   6
<211>   367
<212>   DNA
<213>   Human

<220>
<221>   promoter
<223>   A BamHI-SalI fragment of plasmid pPPV2 containing the
           upstream promoter containing Box D, A, C and the terminator
           of the Human 5S gene.

<400>   6
ggatccaaaa cgctgcctcc gcgacagggc ggaggacgga gggcgtccca ggatcgtggg 60

ccctgggcct gacgcctcgg agcactccct gctccgagcg ggcccgatgt ggtggaagct 120

cgggagcgcg ggagccgggg gaaggccgcg ggcagccgtc gggggtcccc gatccgagcc 180

ccgcggcccc gggctggcgg tgtcggctgc aatccggcgg gcacggccgg ccgggctggg 240

ctcttggggc agccaggcgc ctccttcagg aattcgatag aagacgaagc taagcagggt 300

cgggcctggt tagtacttgg atgggagacc gcctgggaat accgggtgctg taggctttt 360

tgtcgac 367

<210>   7
<211>   51
<212>   DNA
<213>   Human

<220>
<221>   misc_RNA

<223>   Contains designed siRNA sequence. Serves as a top strand
          to anneal with SEQ ID NO: 8 to create a double-stranded DNA
          molecule with PstI at the 5' end and BbsI at the 3' end.

<400>   7
gcnnnnnnnn nnnnnnnnnn ntttcggnnn nnnnnnnnnn nnnnnntttt t 51

<210>   8
<211>   59
<212>   DNA
<213>   Human

<220>
<221>   misc_RNA
<223>   Contains designed siRNA sequence. Serves as a top strand
          to anneal with SEQ ID NO: 7 to create a double-stranded DNA
          molecule with PstI at the 5' end and BbsI at the 3' end.

<400>   8
agctaaaaan nnnnnnnnnn nnnnnnnncc gaaannnnnn nnnnnnnnnn nnngctgca 59

<210>   9
<211>   399
<212>   DNA
<213>   Human

<220>
<221>   misc_structure
<223>   A BamHI-SalI fragment of plasmid pPPV2 containing the siRNA
          design. The second stretch of the 19 "n" bases are
          complementary and reverse to the first stretch.

<400>   9
ggatccaaaa cgctgcctcc gcgacagggc ggaggacgga gggcgtccca ggatcgtggg 60

ccctgggcct gacgcctcgg agcactccct gctccgagcg ggcccgatgt ggtggaagct 120

cgggagcgcg ggagccgggg gaaggccgcg ggcagccgtc gggggtcccc gatccgagcc 180

ccgcggcccc gggctggcgg tgtcggctgc aatccggcgg gcacggccgg ccgggctggg 240

ctcttggggc agccaggcgc ctccttcaGC nnnnnnnnnn nnnnnnnnnt ttcggnnnnn 300

nnnnnnnnnn nnnnttttta gctaagcagg gtcgggcctg gttagtactt ggatgggaga 360

ccgcctggga ataccgggtg ctgtaggctt tttgtcgac 399